

MULTISTAGE CENTRIFUGAL COMPRESSOR

Abstract

Multistage centrifugal compressor comprising at least one
10 stage 10 which, in turn, comprises a lower half-tank 11,
an upper half-tank 12, a series of lower half-diaphragms
16, a shaft 13 equipped with a series of rotors 14, a se-
ries of upper half-diaphragms 18, a lower suction half-
diaphragm 51, an upper suction half-diaphragm 52, the
15 lower suction half-diaphragm 51 and the upper suction
half-diaphragm 52 include a portion 71 and a portion 72,
respectively, suitable for being coupled with the lower
half-diaphragms 16 and with the upper half-diaphragms 18,
respectively, to form a first pile 41 of lower half-
20 diaphragms 16 and a second pile 42 of upper half-
diaphragms 18, respectively.